

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method of protecting against ultraviolet light comprising providing a porous titanium oxide powder that is formed from titanium oxide primary particles agglomerated together, said primary particles having and has a mean particle diameter of 0.01 to 100 μm microns, the porous titanium oxide powder having a specific surface area of 327 to 500 m^2/g ; and wherein the powder has an approximately spherical shape with the ratio of the minor axis to the major axis being at least 0.75.

Claim 2 (currently amended): The porous titanium oxide powder according to method of claim 1, wherein the titanium oxide primary particles have a mean particle diameter of 1 to 50 nm.

Claim 3 (canceled)

Claim 4 (currently amended): The porous titanium oxide powder according to method of claim 1, wherein the crystalline form of the titanium oxide primary particles is rutile.

Claim 5 (currently amended): The porous titanium oxide powder according to method of claim 1, wherein the crystalline form of the titanium oxide primary particles is anatase.

Claim 6 (currently amended): A method of manufacturing a spherical shaped porous titanium oxide powder for protecting against ultraviolet light, comprising
(a) subjecting to hydrolysis a an inorganic titanium salt solution to hydrolysis by heating under in the presence of an aliphatic
(i) a polyhydric alcohol and

(ii) a substance having a carboxyl group or a carbonyl group to form a residue,
and

(b) then further carrying out heating treatment heat treating the residue with an acid.

Claims 7-9 (canceled)

Claim 10 (currently amended): The method of ~~manufacturing a spherical-shaped porous titanium oxide powder according to claim 8~~ claim 6, wherein the polyhydric alcohol is at least one selected from the group consisting of ethylene glycol, propylene glycol, 1,4-butylene glycol, 2,3-butylene glycol, 1,3-butylene glycol, dimethylpropanediol, diethylpropanediol, glycerol, trimethylolpropane, triethylolpropane, erythritol, xylitol, mannitol, sorbitol and maltitol.

Claims 11-12 (canceled)

Claim 13. (currently amended): The method of ~~manufacturing a spherical-shaped porous titanium oxide powder according to~~ claim 6, wherein the substance having a carboxyl group or a carbonyl group is acetic acid.

Claim 14 (currently amended) The method of ~~manufacturing a spherical-shaped porous titanium oxide powder according to~~ claim 6, wherein further comprising, after (b), (c) the heating treatment with an acid, adjusting the pH adjustment using an alkali is further carried out.

Claim 15 (new): A method of manufacturing a spherical porous titanium oxide powder used for protecting against ultraviolet light, comprising

- (a) subjecting an inorganic titanium salt solution to hydrolysis by heating in the presence of glycerol and acetic acid, and
- (b) heat treating with an acid.

Claim 16 (new): The method of claim 6, further comprising before (b),

- (a1) filtering off the residue and
- (a2) dispersing the residue in water.

Claim 17 (new): A method of manufacturing a spherical shaped porous titanium oxide powder, for protecting against ultraviolet radiation comprising:

- (a) subjecting to hydrolysis an inorganic titanium salt solution having a concentration of 0.1 to 5 M, by heating for 1 to 12 hours at a temperature of 50°C to 100°C in the presence of a polyhydric alcohol having a concentration of 0.1 to 5 M, and a substance having a carboxyl group or a carbonyl group,
- (b) filtering to isolate the resulting product residue,
- (c) redispersing the product residue in water to form a slurry,
- (d) heating the slurry for 1 to 12 hours at a temperature of 50°C to 100°C,
- (e) filtering to isolate the resulting product,
- (f) washing the product with water,
- (g) redispersing the product in water,
- (h) adjusting the slurry pH to 6 to 8 with alkali, and
- (i) heat treating the slurry with an acid.

Claim 18 (new): The spherical shaped porous titanium oxide powder produced by the process of claim 6.